

Matthew Clagett

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Technical Skills: Typescript, Javascript, Node, React, Redux, NextJS, Python, CSS3, SASS, HTML5, MUI, Tailwind, Jest, MongoDB, PostgreSQL, Prisma, Docker, AWS, Auth0, Git, Google Analytics, AI Prompting
Personal interests: Ironman Triathlete (2022), UX design, mentorship, AI tools, strategy games, yoga, snowboarding

EDUCATION

University of California, Berkeley

B.S.: Business Administration

May 2019

Certificate in Entrepreneurship and Technology

May 2017

EXPERIENCE

Joon

Frontend Engineer

Mar 2023 - Present

- Enhanced onboarding flow by adding missing steps, optimizing state management with context/hooks, and utilizing Material UI components to create a cohesive and intuitive experience aligned with the company's branding.
- Developed a conversion plan and executed the migration of 3,300 lines of frontend code to Typescript in 2 weeks.

EdVisorly

Founding Software Engineer & Product Owner

Jan 2021 - Oct 2022

- Architected Typescript / React application, including Auth0 authentication, AWS deployment, Redux state management, and SASS design system for WCAG accessibility compliant customer-facing product.
- Led scrum meetings and project management using Jira, and later Notion for a team of 3 developers and 2 designers.
- Designed and developed data interface for internal users to analyze, edit, and verify data veracity, leading to course plan accuracy of 100%, and unlocking never-before-seen insights into community college data.
- Devised decision architecture and documentation for Python course recommendation system API, which allows users to create optimized course plans that meet multiple transfer requirement sets across different schools.
- Created recursive React components for editing complex NoSQL data representing course equivalency data.
- Developed a highly-interactive drag and drop interface and rule system for planning courses, allowing users prioritize and reorganize schedules, as well as visualize course prerequisite chains.

Sproul.club

Frontend Engineer

May 2020 - Jan 2021

- Created mobile-responsive pages, reusable layout and higher-order components including all admin, user profile, and catalog pages, modals, dropdown menus, and private routes using Javascript, React, Redux and SASS.
- Implemented user authentication/authorization with OAuth and username/password JWT refresh and access tokens, with roles and permissions both admin and student users.
- Mentored new frontend developers, teaching best practices for code organization and state management in React.
- Built catalog search page with client-side search and filtering functionalities, infinite scroll.

Cisco

Business Analyst Intern

Feb 2018 – Sep 2018

- Automated quarterly PM analytics dashboard creation using script written in R, derived from seven separate data sources, resulting in reduction of human error and saving two weeks of analyst work time each subsequent quarter.
- Built tool to detect and correct misspellings of manually input customer names for certificate program purchases, using webscraping and other text analysis in R, leading to increased accuracy of financial reporting.
- Updated documentation and dictionaries for key databases using markdown to prepare for department restructuring.